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09/559,224	04/26/2000	Robert L. Schmitter	2544-P018	1284

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ONE COMMERCE SQUARE
2005 MARKET STREET, SUITE 2200
PHILADELPHIA, PA 19103

EXAMINER

NAHAR, QAMRUN

ART UNIT	PAPER NUMBER
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2191

DATE MAILED: 01/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/559,224

Applicant(s)

SCHMITTER, ROBERT L.

Examiner

Qamrun Nahar

Art Unit

2191

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 October 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 55-88 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 55-88 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to the amendment filed on 10/12/05.
2. The objection to claim 37 is moot in view of applicant's amendment.
3. The rejection under 35 U.S.C. 103(a) as being unpatentable over Faustini et al. (U.S. 5,842,020) in view of Hanson (U.S. 5,956,736) to claims 1-54 is moot in view of applicant's amendment.
4. Claims 1-54 have been canceled.
5. Claims 55-88 have been added.
6. Claims 55-88 are pending.
7. Claim 71 stand finally objected to because of minor informalities.
8. Claim 59 stand finally rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
9. Claims 55-88 stand finally rejected under 35 U.S.C. 102(e) as being anticipated by Hanson (U.S. 5,956,736).

Response to Amendment

Claim Objections

10. Claim 71 is objected to because of the following informalities: "inspector document" on line 12 of the claim should be "inspector documents". Appropriate correction is required.

Claim Rejections - 35 USC § 112

11. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

12. Claim 59 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 59 recites the limitation "the document server" in line 4 of the claim. There is insufficient antecedent basis for this limitation in the claim. Therefore, this limitation is interpreted as "the server".

Claim Rejections - 35 USC § 102

13. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

14. Claims 55-88 are rejected under 35 U.S.C. 102(e) as being anticipated by Hanson (U.S. 5,956,736).

Per Claim 55 (New):

The Hanson patent discloses:

- an object-oriented software system, comprising: an execution environment (abstract and col. 4, lines 25-39)
- a first inspector object, executable within the execution environment, configuration to communicate with a method of a first application object executing in the execution environment independently of the first inspector object, to modify a first attribute of the first application object (col. 4, lines 25-39; “unique object” is interpreted as a first application object; and “context sensitive object editor window” is interpreted as a first inspector object)
- a first inspector document, associated with the first inspector object, configuration to describe the first attribute of the first application object (col. 4, lines 25-39; “Web document” is interpreted as a first inspector document)
- and a server configured to add the first application object, the first inspector object, and the first inspector document to the execution environment, to provide a user interface to the first inspector object, and to configure the first inspector object and the first inspector document for communication with the first application object (col. 4, lines 25-39; “palette window” is interpreted as a user interface, which is provided by a server; where a server is inherently taught by Hanson, where the collection of objects are maintained.).

Per Claim 56 (New):

The Hanson patent discloses:

- a second inspector object, configuration to communicate with the first application object to change a second attribute of the first application object; and a second inspector document, associated with the second inspector object, configuration to describe the second attribute of the first application object (col. 4, lines 25-39).

Per Claim 57 (New):

The Hanson patent discloses:

- wherein the first inspector object is further configurable to communicate with a method of a second application object executing in the execution environment independently of the first inspector object, to modify an attribute of the second application object, wherein the first inspector document is further configuration to describe the attribute of the second application object, and wherein the server is further configured to configure the first inspector object and the first inspector document for communication with the second application object (col. 4, lines 25-39 and col. 8, line 64 to col. 9, line 3).

Per Claim 58 (New):

The Hanson patent discloses:

- a second inspector document, associated with the first inspector object, wherein the first inspector object is further configuration to communicate with a method of a second application object executing in the execution environment independently of the first inspector object, to modify a attribute of the second application object, wherein the second inspector document is configuration to describe the attribute of the second application object, and wherein the server is further configured to configure the first inspector object and the second inspector document for communication with the second application object (col. 10, lines 1-20).

Per Claim 59 (New, as best understood):

The Hanson patent discloses:

- a plurality of application objects, executing in the execution environment independently of the first inspector object, where the server is further configured for searching and identifying each of the plurality of application objects having a common attribute selected for modification, to allow selective medication of each of the identified application objects (col. 10, lines 1-20).

Per Claim 60 (New):

The Hanson patent discloses:

- wherein the inspector is configured to generate a display of the first attribute (col. 4, lines 25-39).

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Per Claim 61 (New):

The Hanson patent discloses:

- wherein the method of the first application object modifies the first attribute (col. 4, lines 25-39).

Per Claim 62 (New):

The Hanson patent discloses:

- means for archiving the first application object as modified by communication between the first inspector object and the first application object (col. 10, lines 35-54).

Per Claim 63 (New):

The Hanson patent discloses:

- means for retrieving the first application object as archived by the means for archiving (col. 10, lines 35-54).

Per Claim 64 (New):

The Hanson patent discloses:

- wherein the execution environment comprises a web browser (col. 10, lines 35-54).

Per Claim 65 (New):

The Hanson patent discloses:

- wherein the first attribute is a visual attribute of the first application object (col. 10, lines 22-34).

Per Claim 66 (New):

The Hanson patent discloses:

- wherein the communication between the first inspector object and the first application object modifies the first attribute to be conditionally dependent on a characteristics of the execution environment (col. 10, lines 35-54).

Per Claim 67 (New):

The Hanson patent discloses:

- an inventory of application objects executing in the execution environment, maintained by the server (col. 9, lines 51-67).

Per Claim 68 (New):

The Hanson patent discloses:

- the server further configured to select the first inspector object from a plurality of inspector objects managed by the server, the server selecting the first inspector object depending on the first application object and instantiating the first inspector object in the execution environment (col. 9, lines 51-67).

Per Claim 69 (New):

The Hanson patent discloses:

- a library of objects, wherein the server is configured to select and instantiate objects from the library of objects for execution in the execution environment (col. 9, lines 51-67).

Per Claim 70 (New):

The Hanson patent discloses:

- wherein the server is further configured to maintain a history of modifications made to the first attribute (col. 9, lines 62-67).

Per Claim 71 (New):

The Hanson patent discloses:

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- an object oriented software system, comprising: an execution environment (abstract and col. 4, lines 25-39)

- a plurality of inspector objects, each executable within the execution environment, and each configurable to communicate with a method of a corresponding application object executing in the execution environment independently of the plurality of inspector objects, each of the plurality of inspector objects configured to request the corresponding application object to modify an attribute of the corresponding application object (col. 4, lines 25-39; “unique object” is interpreted as a first application object; and “context sensitive object editor window” is interpreted as a first inspector object)

- a plurality of inspector documents, each associated with one of the plurality of inspector objects, each configuration to describe the attribute of the corresponding application object (col. 4, lines 25-39; “Web document” is interpreted as a first inspector document)

- and a server configured to select and instantiate application objects, inspector objects, and inspector documents in the execution environment, to provide a user interface to the each of the inspector objects, and to configure each of the inspector objects and the inspector documents for communication with the corresponding application object (col. 4, lines 25-39; “palette window” is interpreted as a user interface, which is provided by a server; where a server is inherently taught by Hanson, where the collection of objects are maintained.).

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Per Claim 72 (New):

The Hanson patent discloses:

- a library of objects, the server selecting the application objects, inspector objects, and inspector documents from the library of objects (col. 9, lines 51-67).

Per Claim 73 (New):

The Hanson patent discloses:

- where the attribute is an operational attribute of the corresponding application object (col. 4, lines 25-39).

Per Claim 74 (New):

The Hanson patent discloses:

- wherein the server is remote to the execution environment (col. 9, lines 51-67).

Per Claim 75 (New):

The Hanson patent discloses:

- wherein the server communicates with the execution environment via a network communication protocol (col. 9, lines 51-67).

Per Claim 76 (New):

The Hanson patent discloses:

- wherein a first inspector object of the plurality of inspector objects is configured to determine attributes of a first corresponding application object (col. 4, lines 25-39).

Per Claim 77 (New):

This is a method version of the claimed object-oriented software system discussed above (claims 55 and 62), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, this claim is also anticipated by Hanson.

Per Claim 78 (New):

The Hanson patent discloses:

- de-archiving the application object; executing the de-archived application object in a second execution environment, the second execution environment independent of the first execution environment (col. 10, lines 35-54).

Per Claim 79 (New):

This is a method version of the claimed object-oriented software system discussed above, claim 69, wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above. Thus, accordingly, this claim is also anticipated by Hanson.

Per Claim 80 (New):

The Hanson patent discloses:

- customizing the inspector document for the application object (col. 10, lines 35-54).

Per Claim 81 (New):

The Hanson patent discloses:

- the step of selecting an inspector object comprising: presenting a plurality of inspector objects to a user; and selecting the inspector object from the list of inspector objects (col. 10, lines 1-20).

Per Claim 82 (New):

The Hanson patent discloses:

- the step of selecting an inspector object comprising: providing a server in communication with the execution environment; identifying attributes of the application object by the server; and automatically selecting an inspector object corresponding to the attributes identified by the server (col. 9, lines 51-67).

Per Claim 83 (New):

The Hanson patent discloses:

- the step of accessing an inspector document comprising: dynamically discovering attributes of the application object by the inspector object; creating an inspector document corresponding to the discovered attributes; and associating the inspector object with the inspector document (col. 10, lines 35-54).

Per Claim 84 (New):

The Hanson patent discloses:

- the step of selecting an inspector object comprising: assembling a new inspector object; and selecting the new inspector object as the inspector object, wherein the step of assembling a new inspector object is performed without any additional coding (col. 10, lines 1-20).

Per Claims 85-86 (New):

These are another versions of the claimed object-oriented software system discussed above (claims 71 and 72), wherein all claim limitations also have been addressed and/or covered in cited areas as set forth above, including “wherein the first application object and the second application object have no predetermined relationship with each other” on lines 11-12 of claim 85 (col. 9, lines 62-67). Thus, accordingly, these claims are also anticipated by Hanson.

Per Claim 87 (New):

The Hanson patent discloses:

- an inspector document, wherein the server is further configured to discover attributes of the first application object, and wherein the server is further configured to configure the inspector document to describe a first attribute of the attributes of the first application object discovered by the server, and wherein the inspector object is configured to use the inspector document to selectively modify the first attribute (col. 4, lines 25-39).

Per Claim 88 (New):

The Hanson patent discloses:

- an inspector document, associated with the inspector object and configured to describe a first attribute of the first application object, wherein the inspector object is configured to use the inspector document to selectively modify the first attribute (col. 4, lines 25-39).

Response to Arguments

15. Applicant's arguments with respect to claims 55-88 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

16. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

17. Any inquiry concerning this communication from the examiner should be directed to Qamrun Nahar whose telephone number is (571) 272-3730. The examiner can normally be reached on Mondays through Fridays from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y Zhen, can be reached on (571) 272-3708. The fax phone number for the organization where this application or processing is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



QN

January 6, 2006



WEI ZHEN
SUPERVISORY PATENT EXAMINER